

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/789, 831
Source: IFWD
Date Processed by STIC: 10-26-04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/10/789,831

TIME: 14:22:55

Input Set : A:\03-214-A.ST25.txt

Output Set: N:\CRF4\10262004\J789831.raw

```

3 <110> APPLICANT: Bao, Yijia P.
4      Muller, Uwe R.
6 <120> TITLE OF INVENTION: LABEL-FREE GENE EXPRESSION PROFILING WITH UNIVERSAL
NANOPARTICLE
7      PROBES IN MICROARRAY ASSAY FORMAT
9 <130> FILE REFERENCE: 03-214-A
11 <140> CURRENT APPLICATION NUMBER: US 10/789,831
12 <141> CURRENT FILING DATE: 2004-02-27
14 <150> PRIOR APPLICATION NUMBER: US 60/450,268
15 <151> PRIOR FILING DATE: 2003-02-27
17 <160> NUMBER OF SEQ ID NOS: 24
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 70
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial
26 <220> FEATURE:
27 <223> OTHER INFORMATION: cytochrome c oxidase subunit Vic sense oligo
30 <220> FEATURE:
31 <221> NAME/KEY: Unsure
32 <222> LOCATION: (1)..(1)
33 <223> OTHER INFORMATION: c comprises a free amine
35 <400> SEQUENCE: 1
36 ctgtttgtca ctgggtgacc tcccgctcctt gtgggcgctc cacgggcctt ggtctacggg      60
38 ccttcattgag                                     70
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 70
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Beta actin sense oligo
50 <220> FEATURE:
51 <221> NAME/KEY: unsure
52 <222> LOCATION: (1)..(1)
53 <223> OTHER INFORMATION: t comprises a free amine
55 <400> SEQUENCE: 2
56 tggaacggtg aaggtgacag cagtcgggttg gagcgagcat cccccaaagt tcacaatgtg      60
58 gccgaggact                                     70
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 50
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial
66 <220> FEATURE:
67 <223> OTHER INFORMATION: glutamyl-prolyl-tRNA synthetase capture sequence 1

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/789,831

DATE: 10/26/2004

TIME: 14:22:55

Input Set : A:\03-214-A.ST25.txt

Output Set: N:\CRF4\10262004\J789831.raw

```

70 <220> FEATURE:
71 <221> NAME/KEY: unsure
72 <222> LOCATION: (50)..(50)
73 <223> OTHER INFORMATION: t comprises a free amine
75 <400> SEQUENCE: 3
76 gaggggtttcc aggtttatat tcttgccag ttttctcctt atattcagct          50
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 50
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Homo sapiens cDNA clone IMAGE:4093756, partial cds capture
86     sequence 2
89 <220> FEATURE:
90 <221> NAME/KEY: unsure
91 <222> LOCATION: (50)..(50)
92 <223> OTHER INFORMATION: t comprises a free amine
94 <400> SEQUENCE: 4
95 acacatccgt ctctctgcg atataaccaa atggtgttg acggttgaat          50
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 50
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Homo sapiens cDNA clone IMAGE:4093756, partial cds capture
105     sequence 2B
108 <220> FEATURE:
109 <221> NAME/KEY: unsure
110 <222> LOCATION: (50)..(50)
111 <223> OTHER INFORMATION: c comprises a free amine
113 <400> SEQUENCE: 5
114 ttaatgtttc taacaaagcg tatcatgcaa acggagatta gaggttatac          50
117 <210> SEQ ID NO: 6
118 <211> LENGTH: 50
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial
122 <220> FEATURE:
123 <223> OTHER INFORMATION: hypothetical protein FLJ14668 capture sequence 3
126 <220> FEATURE:
127 <221> NAME/KEY: unsure
128 <222> LOCATION: (50)..(50)
129 <223> OTHER INFORMATION: a comprises a free amine
131 <400> SEQUENCE: 6
132 taagggagtc agctcatcct agcccaagtt gcttactttt tctcccttga          50
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 50
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial
140 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/10/789,831

TIME: 14:22:55

Input Set : A:\03-214-A.ST25.txt

Output Set: N:\CRF4\10262004\J789831.raw

```

141 <223> OTHER INFORMATION: 3-ketoacyl CoA thiolase beta-subunit of mitochondrial
142      trifunctional protein, exon 8, 9, 10 capture sequence 4
145 <220> FEATURE:
146 <221> NAME/KEY: unsure
147 <222> LOCATION: (50)..(50)
148 <223> OTHER INFORMATION: a comprises a free amine
150 <400> SEQUENCE: 7
151 ccgtagggct tgatgaatgc aggttttagt ttggccatct gctccagtga      50
154 <210> SEQ ID NO: 8
155 <211> LENGTH: 50
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial
159 <220> FEATURE:
160 <223> OTHER INFORMATION: chromatin assembly factor 1, subunit B (p60) capture
sequence 5
163 <220> FEATURE:
164 <221> NAME/KEY: unsure
165 <222> LOCATION: (50)..(50)
166 <223> OTHER INFORMATION: t comprises a free amine
168 <400> SEQUENCE: 8
169 tgtgtgcact ttcacgagga tgccagggag gactcactga ttttcacact      50
172 <210> SEQ ID NO: 9
173 <211> LENGTH: 50
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: chromatin assembly factor 1, subunit B (p60) capture
sequence 5B
181 <220> FEATURE:
182 <221> NAME/KEY: unsure
183 <222> LOCATION: (50)..(50)
184 <223> OTHER INFORMATION: c comprises a free amine
186 <400> SEQUENCE: 9
187 atactctaaa attcgacaga gtaaaatctc aaattacttt ctcatcttcc      50
190 <210> SEQ ID NO: 10
191 <211> LENGTH: 50
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <223> OTHER INFORMATION: transcription factor 3, TCF3 capture sequence 6
199 <220> FEATURE:
200 <221> NAME/KEY: unsure
201 <222> LOCATION: (50)..(50)
202 <223> OTHER INFORMATION: g comprises a free amine
204 <400> SEQUENCE: 10
205 actgctgttt cttctcctc gcgctgggtg aatctcgttt gaattctatg      50
208 <210> SEQ ID NO: 11
209 <211> LENGTH: 50
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial
213 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/10/789,831

TIME: 14:22:55

Input Set : A:\03-214-A.ST25.txt

Output Set: N:\CRF4\10262004\J789831.raw

```

214 <223> OTHER INFORMATION: cDNA FLJ37123 fis capture sequence 7
217 <220> FEATURE:
218 <221> NAME/KEY: unsure
219 <222> LOCATION: (50)..(50)
220 <223> OTHER INFORMATION: c comprises a free amine
222 <400> SEQUENCE: 11
223 cggaagttgg aggcgtcatg cagcgctcc tgctgggag ccaggcgatc      50
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 49
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial
231 <220> FEATURE:
232 <223> OTHER INFORMATION: cDNA FLJ37123 fis capture sequence 7S
235 <220> FEATURE:
236 <221> NAME/KEY: unsure
237 <222> LOCATION: (1)..(1)
238 <223> OTHER INFORMATION: a comprises a free amine
240 <400> SEQUENCE: 12
241 atcgctggc tcccaggcag gaggcgtgc atgacgctc caacttcg      49
244 <210> SEQ ID NO: 13
245 <211> LENGTH: 50
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <223> OTHER INFORMATION: adenosine monophosphate deaminase 2, isoform L capture
sequence 8
253 <220> FEATURE:
254 <221> NAME/KEY: unsure
255 <222> LOCATION: (50)..(50)
256 <223> OTHER INFORMATION: t comprises a free amine
258 <400> SEQUENCE: 13
259 aacaccactc cgggggttga gtggcagatc caggactttg cagcaactgt      50
262 <210> SEQ ID NO: 14
263 <211> LENGTH: 50
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial
267 <220> FEATURE:
268 <223> OTHER INFORMATION: adenosine monophosphate deaminase 2, isoform L capture
sequence
269      8B
272 <220> FEATURE:
273 <221> NAME/KEY: unsure
274 <222> LOCATION: (50)..(50)
275 <223> OTHER INFORMATION: a comprises a free amine
277 <400> SEQUENCE: 14
278 tatgaaacac tgcatgtcac agcaaaggcc tcagtccaga acacaacata      50
281 <210> SEQ ID NO: 15
282 <211> LENGTH: 50
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial
286 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/10/789,831

TIME: 14:22:55

Input Set : A:\03-214-A.ST25.txt

Output Set: N:\CRF4\10262004\J789831.raw

```

287 <223> OTHER INFORMATION: chromatin assembly factor 1, subunit B (p60) capture
sequence 9
290 <220> FEATURE:
291 <221> NAME/KEY: unsure
292 <222> LOCATION: (50)..(50)
293 <223> OTHER INFORMATION: t comprises a free amine
295 <400> SEQUENCE: 15
296 tgtgtgcact ttcacgagga tgccagggag gactcactga ttttcacact          50
299 <210> SEQ ID NO: 16
300 <211> LENGTH: 50
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial
304 <220> FEATURE:
305 <223> OTHER INFORMATION: isoleucine-tRNA synthetase capture sequence 10
308 <220> FEATURE:
309 <221> NAME/KEY: unsure
310 <222> LOCATION: (50)..(50)
311 <223> OTHER INFORMATION: a comprises a free amine
313 <400> SEQUENCE: 16
314 tgtaacctgc tcccaacatg actgcatagg tgtctaaggt taagtgtgaa          50
317 <210> SEQ ID NO: 17
318 <211> LENGTH: 50
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial
322 <220> FEATURE:
323 <223> OTHER INFORMATION: seryl-tRNA synthetase capture sequence 11
326 <220> FEATURE:
327 <221> NAME/KEY: unsure
328 <222> LOCATION: (50)..(50)
329 <223> OTHER INFORMATION: a comprises a free amine
331 <400> SEQUENCE: 17
332 tggtttcacg agtcatcaat gatgggtccc tatgcccacg cgaggagaca          50
335 <210> SEQ ID NO: 18
336 <211> LENGTH: 50
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Ribosomal Protein L32 capture sequence 12
344 <220> FEATURE:
345 <221> NAME/KEY: unsure
346 <222> LOCATION: (50)..(50)
347 <223> OTHER INFORMATION: t comprises a free amine
349 <400> SEQUENCE: 18
350 tactcatttt cttcactgag cagcctggca ttgggggttg tgactctgat          50
353 <210> SEQ ID NO: 19
354 <211> LENGTH: 50
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial
358 <220> FEATURE:
359 <223> OTHER INFORMATION: actin, beta capture sequence 13

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/26/2004
PATENT APPLICATION: US/10/789,831 TIME: 14:22:56

Input Set : A:\03-214-A.ST25.txt
Output Set: N:\CRF4\10262004\J789831.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/789,831

DATE: 10/26/2004

TIME: 14:22:56

Input Set : A:\03-214-A.ST25.txt

Output Set: N:\CRF4\10262004\J789831.raw